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UNITED STATES DEPARTMENT OF AGRICULTURE
Rural Electrification Administration

POWER COST CHARTS

Power Costs 1954 - Mills/KWH Delivered

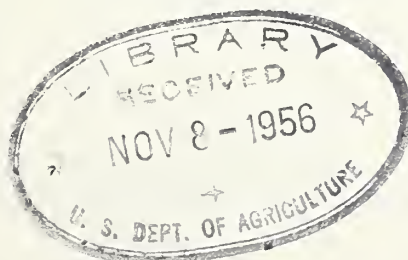
Plate 1 shows the total cost of power delivered to the low side of the distribution substation for specific cooperatives operating generation and transmission facilities, as obtained from their operating reports. Distribution cooperatives operating small amounts of transmission in conjunction with their generating plants, or power cooperatives having generation or transmission only, are not shown.

The total costs for each are broken down into production expense, production overheads, transmission expense and transmission overheads. Each bar represents one cooperative, plotted in accordance with the number of kwh delivered. It should be noted that the cost per kwh delivered will not agree with the cost per net kwh as shown in the operating reports. The difference is that the reports use the kwh delivered to the transmission system as a base, whereas Plate 1 uses the kwh sold as a base.

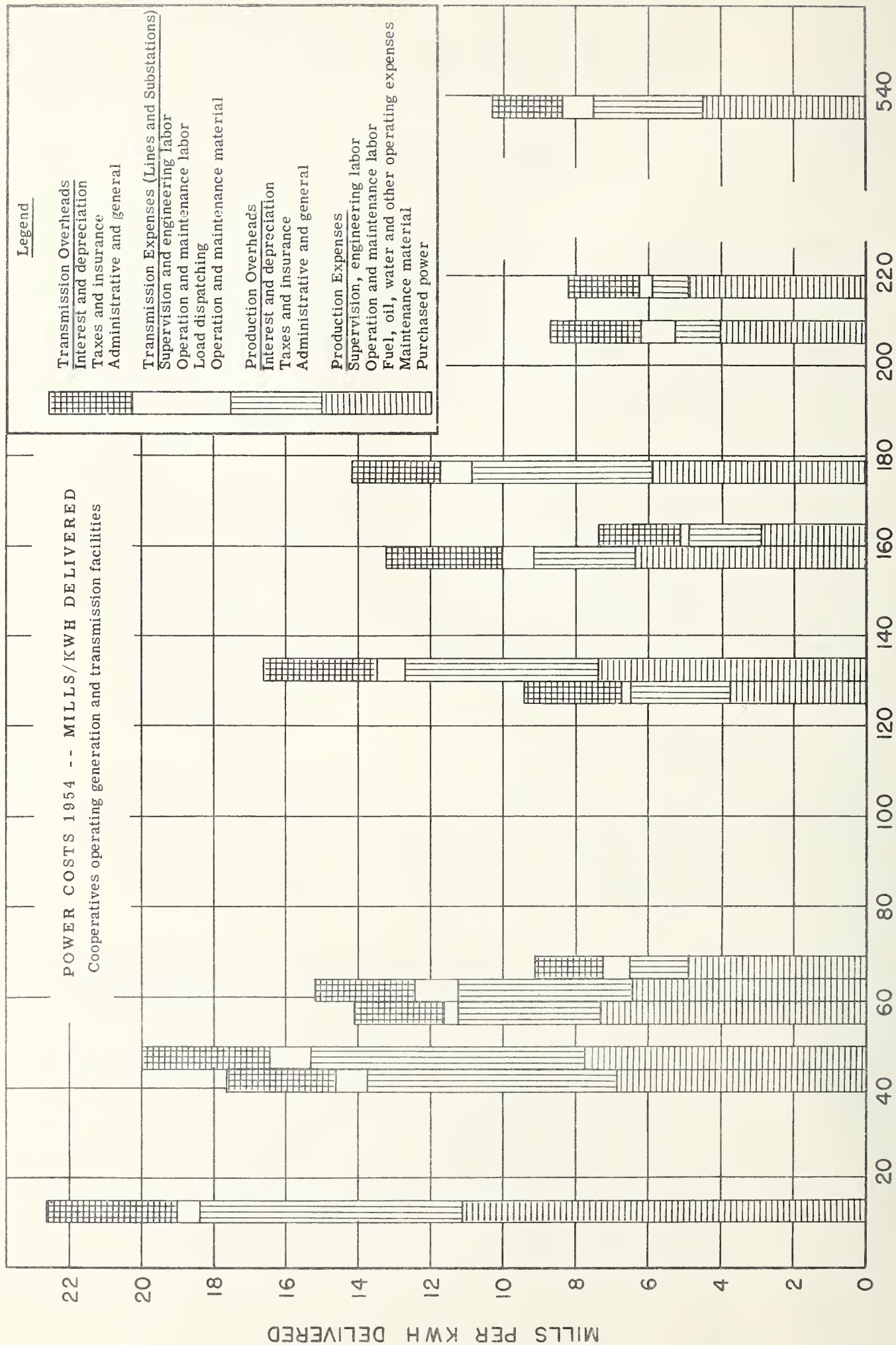
Total Power Costs - 1954

Plate 2 shows the total cost of power, corrected for variations in fuel prices, delivered to the low side of the distribution substations for all but one of the cooperatives included in Plate 1. The cooperative delivering 540,000,000 kwh shown in Plate 1 is not shown on Plate 2 because of the lack of intermediate points to establish a curve.

After adjusting for the same price of fuel, the curve is significant in two respects: (a) cooperatives integrating with other sources of power have lower costs, and (b) as the kwh sold increases the costs decrease.



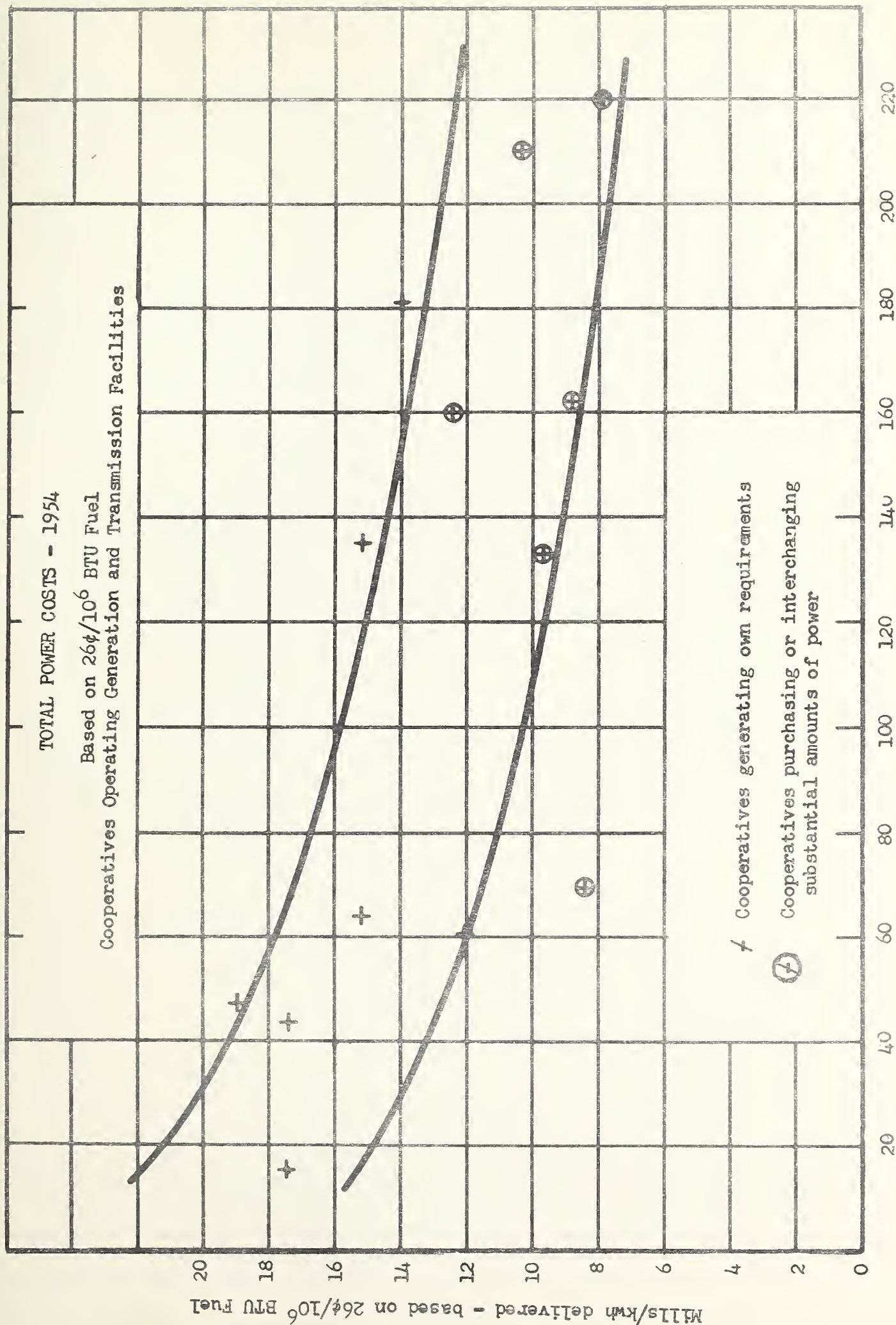
Electric Engineering Division
June 1955



TOTAL POWER COSTS - 1954

Based on 26¢/10⁶ BTU Fuel

Cooperatives Operating Generation and Transmission Facilities



KWH x 1,000,000 Delivered

